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动物分类学报

中国一新纪录属——缘毛叶蝉属及一新种记述（半翅目，叶蝉科，角顶叶蝉亚科）

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摘　要　首次报道角顶叶蝉亚科缘毛叶蝉属 Phlogothamnus Ishihara, 1961在中国分布，并记述1新纪录种，双斑缘毛叶蝉 P. maculiceps Ishihara, 1961和1新种，多斑缘毛叶蝉 P. polymaculatus sp. nov.。新种模式标本保存在贵州大学昆虫研究所。

关键词　半翅目，角顶叶蝉亚科，缘毛叶蝉属，新种，新纪录，中国.
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缘毛叶蝉属 Phlogothamnus Ishihara, 1961 中国新纪录

Phlogothamnus Ishihara, 1961. Homoptera of Southeast Asia, 248.

模式种：Phlogothamnus maculiceps Ishihara, 1961

属征　头部与前胸背板近等宽，中长大于两复眼间宽，前缘宽圆突出，颜面中长约等于两复眼间宽的1.8倍，前唇基的基部较窄，端向渐宽，颊区在复眼下微弯曲。前翅伸出腹部末端，翅脉明显，具3个端前室，4个端室，端片明显；后足腿节端刺式2-1-1。雄虫尾节侧瓣端向渐窄，后腹缘向后延伸，侧缘有粗长刚毛；下生殖板窄长，两侧缘有细长缘毛；阳茎干向背面弯曲，端部常有不甚明显的突起；连索Y字形；阳基侧突端突细。

地理分布：中国（江西、海南）；泰国。

缘毛叶蝉属 Phlogothamnus由 Ishihara于1961年建立，模式种产于泰国。此属系中国首次报道，并记述1新种，1中国新纪录种。

多斑缘毛叶蝉，新种 Phlogothamnus polymaculatus sp. nov.（图1，3～9）

体连翅长，雄虫4.1 mm。外形特征概如属征描述。

雄虫尾节侧瓣宽圆突出，端缘圆，端区有粗长刚毛，端腹缘有片状长突，突起末端尖细；下生殖板基部宽大，端部细长近膜质，两侧有细长毛；阳茎近似管状，两端细中部粗，末端两侧各有2枚细刺突；连索Y字型，主干短于臂长，两臂微弯曲；阳基侧突粗长，端部两侧疏生细刺，末端弯曲。

头冠淡黄白色，具不规则形黑色斑，复眼黑褐色，颜面淡黄白色，额唇基两侧有褐色横纹，触角窝上方有1枚黑褐色斑点。前胸背板黄白色，前域有



图1　多斑缘毛叶蝉，新种 Phlogothamnus polymaculatus sp. nov.
图2　双斑缘毛叶蝉 Phlogothamnus maculiceps Ishihara

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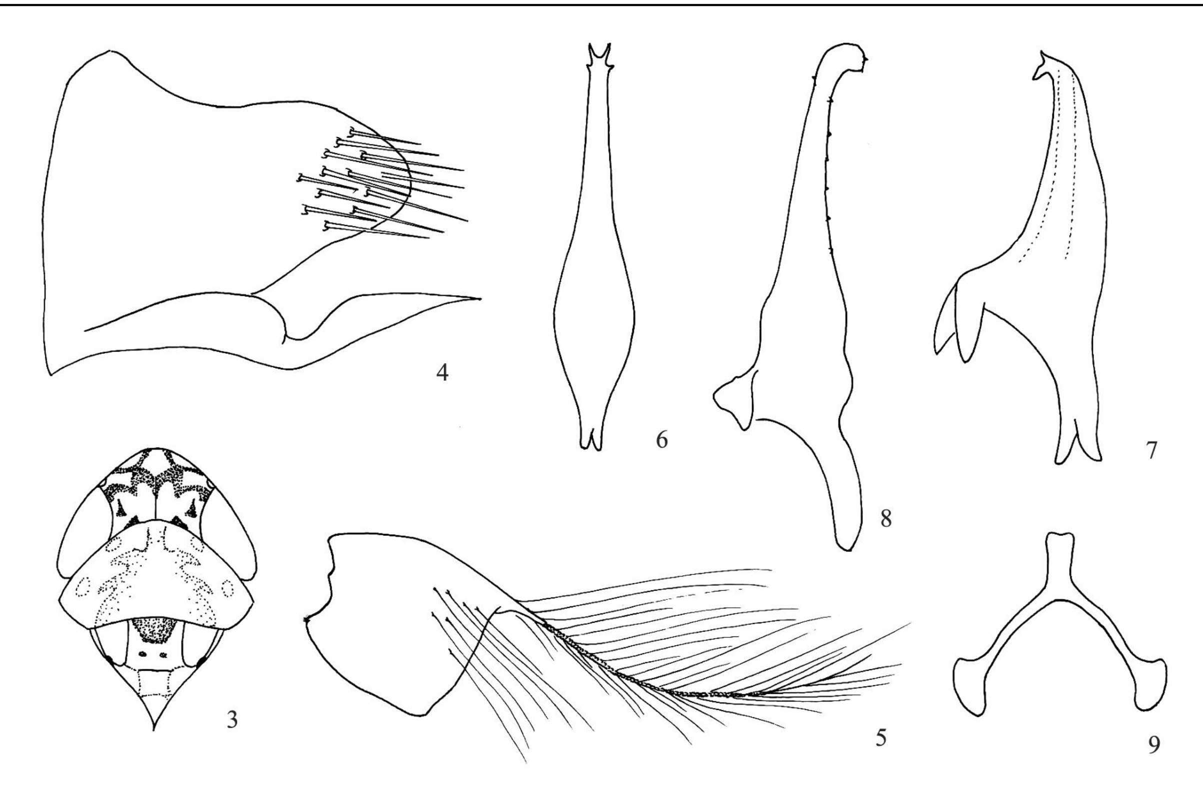


图 3～9 多斑缘毛叶蝉，新种 Phlogothamnus polymaculatus sp. nov.
3. 头、胸部背面观 (head and thorax, dorsal view) 4. 雄虫尾节侧瓣侧面观 (♂pygofer side, lateral view) 5. 下生殖板腹面观 (subgenital plate, ventral view) 6. 阳茎腹面观 (aedeagus, ventral view) 7. 阳茎侧面观 (aedeagus, lateral view) 8. 阳基侧突背面观 (style, dorsal view) 9. 连索背面观 (connective, dorsal view)

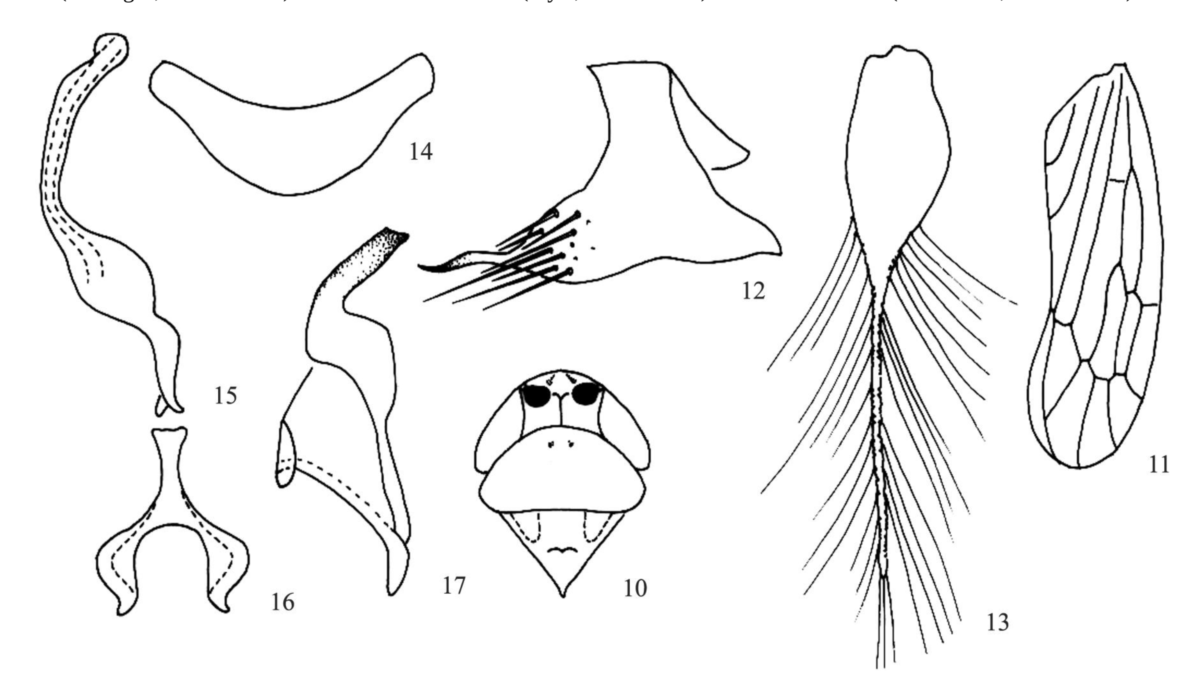


图 10～17 双斑缘毛叶蝉 Phlogothamnus maculiceps Ishihara
10. 头、胸部背面观 (head and thorax, dorsal view) 11. 前翅 (forewing) 12. 雄虫尾节侧瓣侧面观 (♂pygofer side, lateral view) 13. 下生殖板腹面观 (subgenital plate, ventral view) 14. 基瓣腹面观 (valve, ventral view) 15. 阳茎侧面观 (aedeagus, lateral view) 16. 连索背面观 (connective, dorsal view) 17. 阳基侧突背面观 (style, dorsal view)

不规则形褐色斑，中后部淡褐色；小盾片淡黄白色，有不规则形黑褐色斑；前翅淡灰白色，翅脉淡褐色；胸部腹板淡黄白色，无明显斑纹。腹部淡黄白色，尾节侧瓣端区黑褐色。

新种外形特征与双斑缘毛叶蝉 Phlogothamnus maculiceps Ishihara相似，不同点是，新种头冠具不规则形黑色斑，雄虫尾节侧瓣端区黑色，阳茎干末端有 4枚刺状突。

正模 ♂，江西九连山，2008-07-19，孟泽洪采。

词源：新种名来源于拉丁词“*poly*”（多）+“*macula*”（斑点），意指头冠具有不规则形黑色斑块。

双斑缘毛叶蝉 Phlogothamnus maculiceps Ishihara, 1961 中国新纪录（图 2，10～17）

Phlogothamnus maculiceps Ishihara, 1961. Homoptera of Southeast Asia, 248.

体连翅长，雄虫 4.3～4.5 mm，雌虫 4.5～4.6 mm。雄虫尾节侧瓣端向渐细，呈角状突出，后腹缘延伸呈长突状，后半域有粗长刚毛；基瓣近似半月形；下生殖板基部宽，端向骤然变细如线状，两侧缘有细长毛；阳茎近似管状，背向弯曲，末端有 1钝突；连索 Y字形，主干与两侧臂近等长；阳基侧突端突侧向弯曲，端部外侧骤然变细。

体淡黄白色。头冠近前缘两侧靠近复眼有 1对黑色椭圆斑，前缘中域有 2枚不规则形褐色斑，冠缝黑色，复眼黑色，颜面淡黄白色，颊区和前唇基黑褐色。前胸背板淡黄白色，前缘域有 2枚污斑；小盾片淡黄白色，基侧角和中部横刻痕处褐色；前翅淡黄白色，翅脉淡褐色。

分布：中国（海南）；泰国。

检视标本：4♂♂，6♀♀，海南尖峰岭，2007-07-14，李玉建、邢济春、宋琼章采。

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THE GENUS PHLOGOTHAMNUS ISHIHARA (HEMIPTERA, CICADELLIDAE, DELTOCEPHALINAE) FROM CHINA, WITH DESCRIPTION OF ONE NEW SPECIES

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Abstract Phlogothamnus Ishihara, 1961 and P. maculiceps Ishihara, 1961 of the Deltocephalinae are newly recorded to the Chinese fauna, and one new species, P. polymaculatus sp. nov., is described. The type specimens of the new species are deposited in the Institute of Entomology, Guizhou University.

Phlogothamnus polymaculatus sp. nov. (Figs. 1, 3-9)

Length of body (including forewing). ♂ 4.1 mm. Head about as wide as pronotum, vertex longer medially than next the eye, anterior margin round, forewing with four apical cells and three anteapical cells, and appendix moderately broad. Body mostly stramineous, vertex with irregular black stripe, face with one blck spot under antennal fossa, posterior margin of pygofer side black.

Pygofer lobe broad and angulate, with numerous macrosetae at its hind margin; ventral appendage long and lamellate-like. Subgenital plate expanded basally and slender apically, with some long fine setae. Aedeagus nearly tubular-like, with two apexes wide and median area slim; two paris of small teeth-like processes arising from apex of aedeagal shaft. Connective Y-shaped, two lateral arms slightly curved and stem short. Style long; apex curved, with sparse small microtrichia.

This new species is allied to *Phlogothamnus maculiceps* Ishihara in appearance, but can be distinguished from the latter by: 1) vertex with irregular black stripe; 2) postierior margin of pygofer side black; 3) aedeagus with four splinter-like at apex.

Holotype ♂, Jiangxi Province, Jiuliangshan (24°N, 114°20′E), 19 July 2008, coll. by MENG Ze-Hong.

Etymology. The new species is named from Latin words "*poly*" and "*macula*", referring to its vertex with irregular black stripe.

Phlogothamnus maculiceps Ishihara New record to China (Figs. 2, 10-17)

Phlogothamnus maculiceps Ishihara, 1961. Nature and Life in Southeast Asia, 248.

Specimens examined. 4♂♂, 6♀♀, China, Hainan Province, Jiangfengling and Datian, 14 July 2007, coll. by LI Yu-Jian, XING Ji-Chun and SONG Qiong-Zhang.

Key words Hemiptera, Cicadellidae, Deltocephalinae, Phlogothamnus, new species, new record, China.